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M/EB 89/64
19 February 1964
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MEMORANDUM FOR: Chief, B2 Division/PO43, NSA

25X1A

ATTENTION:

FROM:

Chief, CIA/PID (NPIC)

SUBJECT:

Communications Station at Liu-Li-Ho, China

REFERENCES:

- (a) Requirement
- (b) CIA/PID Project C 1713-63

DECLASSIFICATION REVIEW BY NIMA / DoD

1. This memorandum is in response to your requirement dated 22 November 1963 which requests a detailed readout of the high-frequency radio broadcast station at Liu-Li-Ho, China, 39-37N 116-04E.

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2. The installation was covered on good quality photography. Due to obliquity all measurements must be considered approximate. Estimated errors are 10-15 percent. The station consists of a fenced support area and operations area together covering approximately 285 acres. The support area contains approximately 36 buildings, of which 16 are barracks-type, three are administration type and the remainder a storage/miscellaneous type. With the operations area are 24 self supporting lattice towers (items 1 - 24 on attached line drawing) probably supporting high-frequency curtain arrays; a transmitting studio/control center 120 by 120 feet (item 25); two transmitter buildings each with two 50-foot diameter cooling ponds (items 26 - 28); and approximately 20 small miscellaneous buildings. One transmitter building (item 26) measures 120 by 50 feet and the other (item 27) is 100 by 55 feet with a 90 by 45 foot wing. Transmission line scars can be seen radiating from the studio/control center to several of the curtain arrays. The heights of the towers, the distance between towers, and the approximate orientation of the curtain arrays are given in the attached summary. Tower 24 is poorly defined on the photography and its height could not be determined. The number of bays within each curtain array cannot be estimated and the approximate nominal design frequencies therefore cannot be determined.

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3. The photo analysts on this project are who may be contacted on code 143, if you have any further questions concerning this project.

4. This project is considered to be complete.

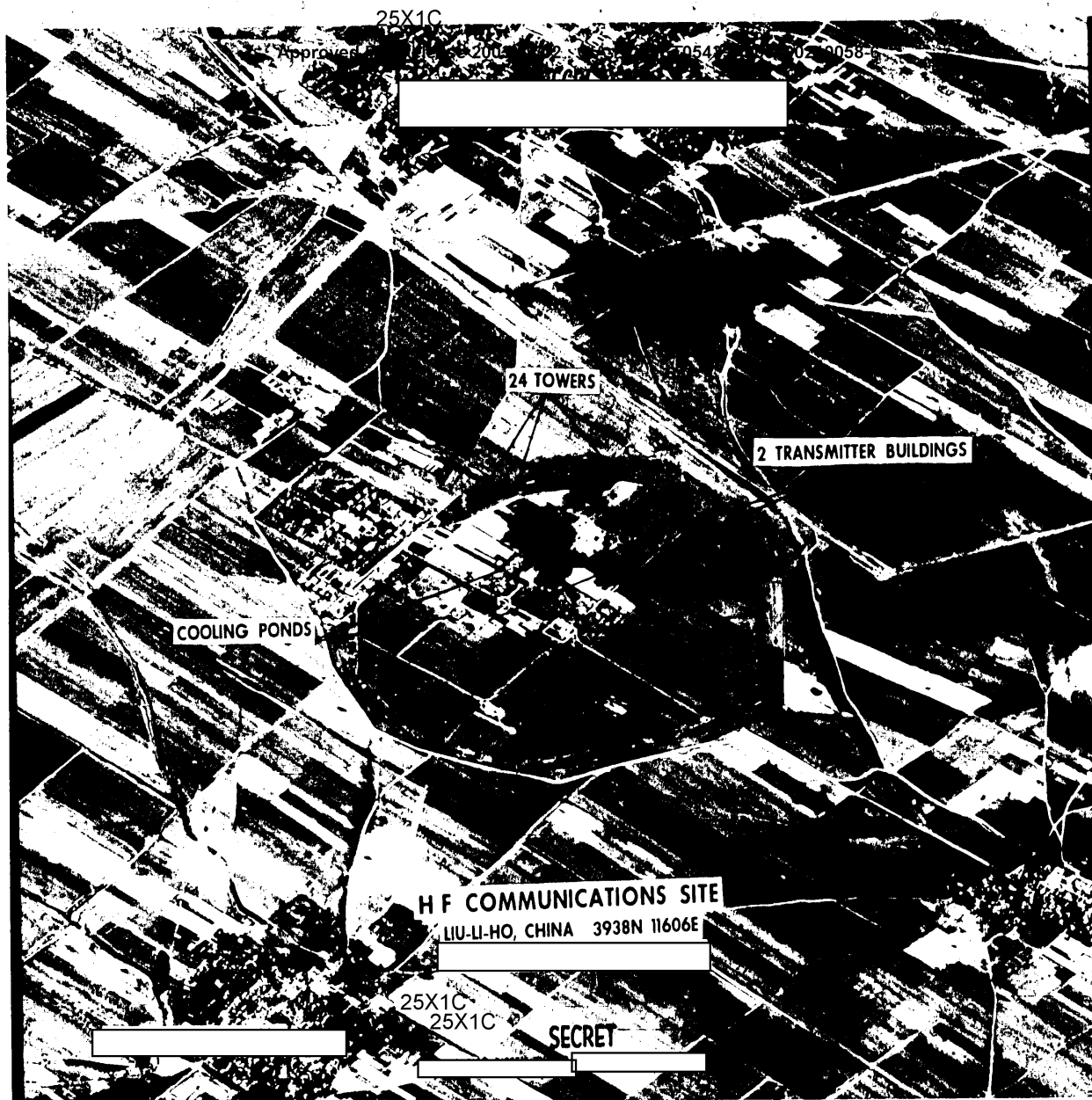
Enclosures:

- 1 - one glossy print (CIA/PID/MEB-P-17-64)
- 2 - one vu-graph (CIA/PID/MEB-P-17-64)
- 3 - one line drawing (CIA/PID/MEB-P-179/64)
- 4 - one Curtain Array Summary

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GROUP 1
Excluded from automatic
downgrading and
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Enclosure 4
Attachment to:
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SUMMARY (CURTAIN ARRAYS)

Antenna	Towers	Maximum Horizontal Width of Curtain	Maximum Height of Curtain	Orientation
A	1 - 2	425 feet	415 feet	25X1D
J	10-11	310 feet	245 feet	
K	11-12	265 feet	215 feet	
L	12-13	265 feet	180 feet	
B	2 - 3	425 feet	415 feet	
C	3 - 4	425 feet	415 feet	
M	13-14	310 feet	180 feet	
N	14-15	370 feet	245 feet	
O	15-16	480 feet	310 feet	
D	4 - 5	425 feet	415 feet	
P	16-17	265 feet	245 feet	
Q	17-18	265 feet	180 feet	
R	18-19	215 feet	180 feet	
E	5 - 6	425 feet	415 feet	
F	6 - 7	560 feet	415 feet	
S	19-20	215 feet	180 feet	
T	20-21	265 feet	180 feet	
U	21-22	310 feet	245 feet	
G	7 - 8	425 feet	415 feet	
H	8 - 9	425 feet	415 feet	
I	9 -10	425 feet	365 feet	
V	22-23	370 feet	310 feet	
W	23-24	370 feet	310 feet	

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